

IN THE CLAIMS

Please amend the claims as follows:

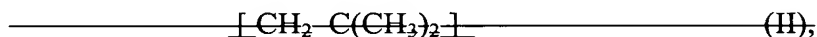
Claim 1 (Currently amended): A process for preparing carboxyl-terminated polyisobutenes, comprising:

reacting ozone with a polyisobutene which is terminated by an ethylenically unsaturated double bond and has a of formula I

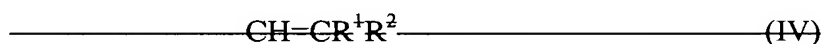
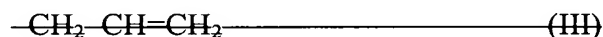


~~wherein A is a radical derived from a polymerization initiator,~~

~~M is a polymer chain comprising repeating units of the formula II~~



~~B is a radical of the formula III or IV~~



~~wherein R¹ and R² are each H, C₁-C₄-alkyl or phenyl, and~~

~~n is from 1 to 6, and~~

(a) when B is a radical of the formula IV in which R¹ and R² are each phenyl,

~~subsequently heating the reaction mixture obtained to from 60 to 150°C if~~

~~appropriate; and~~

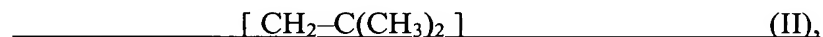
~~(b) in the other cases, subsequently carrying out a thermal after-treatment by heating the~~

reaction mixture product obtained from the ozone reaction to from 60 to 150°C,

wherein

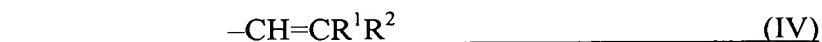
A is a radical derived from a polymerization initiator,

M is a polymer chain comprising repeating units of the formula II



and

B is a radical of the formula III or IV



wherein

R¹ and R² are each H, C₁-C₄-alkyl or phenyl, and

n is from 1 to 6, and

wherein the thermal heat treatment of the reaction product obtained from the ozone reaction is optional when B is a radical of formula IV and R¹ and R² are phenyl.

Claim 2 (Previously presented): The process as claimed in claim 1, wherein R¹ and R² are each a phenyl.

Claim 3 (Previously presented): The process as claimed in claim 1, wherein R¹ and R² are each a methyl.

Claim 4 (Currently amended): The process as claimed in claim 1, wherein the product obtained from the ozone reaction ~~product obtained~~ is in each case heated to from 70 to 120°C.

Claim 5 (Currently amended): The process as claimed in claim 1, wherein a ~~polyisobutene terminated by an ethylenically unsaturated double bond is reacted with a~~ temperature of the ozone ~~[[at]] reaction is~~ from -100 to 40 °C.

Claim 6 (New): The process according to Claim 1, wherein a number average molecular weight of the polyisobutene of formula (I) is from 100 to 500,000.

Claim 7 (New): The process according to Claim 1, wherein the ozone reaction is carried out in a solvent selected from the group consisting of an alkane, a cycloalkane, a haloalkane, a carboxylic acid derivative, a C₁₋₄ alcohol, a carboxylic acid, water and mixtures thereof.

Claim 8 (New): The process according to Claim 7, wherein the solvent is an alkane or a haloalkane.